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INFORMATION DISCLOSURE STATEMENT			FIRST NAMED INVENTOR Daley <i>et al.</i>				
TRADEMARK OFFICE			FILING DATE November 20, 2003		ART UNIT 1632		
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
TK ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	AA1	4,673,649	06/16/1987	Boyce <i>et al.</i>			07/15/1983
	AB1	4,767,704	08/30/1988	Cleveland <i>et al.</i>			10/07/1983
	AC1	4,927,762	05/22/1990	Darfler <i>et al.</i>			11/30/1988
	AD1	5,024,947	06/18/1991	Inlow <i>et al.</i>			07/24/1987
	AE1	5,045,454	09/03/1991	Bertheussen			02/23/1990
	AF1	5,061,620	10/29/1991	Tsakamoto <i>et al.</i>			03/30/1990
	AG1	5,063,157	11/05/1991	Stockinger			01/11/1989
	AH1	5,122,469	06/16/1992	Mather <i>et al.</i>			10/03/1990
	AI1	5,128,259	07/07/1992	Morgan <i>et al.</i>			10/27/1989
	AJ1	5,316,938	05/31/1994	Keen <i>et al.</i>			12/18/1992
	AK1	5,336,614	08/09/1994	Brown <i>et al.</i>			08/14/1991
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TK ↓ ↓ ↓ ↓ ↓	AL1	WO 92/05246	04/02/1992	WIPO			Yes No
	AM1	WO 92/18615	10/29/1992	WIPO			Yes No
	AN1	WO 95/02685	01/26/1995	WIPO			Yes No
	AO1	WO 96/39487	12/12/1996	WIPO			Yes No
	AP1	WO 97/34999	09/25/1997	WIPO			Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
TK	AR	1	Biddle, W., <i>et al.</i> , "Cultivation and Ex Vivo Expansion of Human CD34+ Progenitor Cells Under Serum-Free Culture Conditions," in <i>Advances in Bone Marrow Purging and Processing: Fourth International Symposium</i> , Gee, A.P., <i>et al.</i> , eds., Wiley-Liss, Inc., New York, pp. 351-361 (1994)				
TK	AS	1	Biddle, W.C., <i>et al.</i> , "Ex Vivo Expansion of Human Hematopoietic Progenitor Cells Under Serum-Free Conditions," in <i>Animal Cell Technology: Basic & Applied Aspects</i> , Vol. 8, Funatsu, K., <i>et al.</i> , eds., Kluwer Academic Publishers, Netherlands, pp. 25-40 (May 1997)				
TK	AT	1	Bradley, T.R. and Metcalf, D., "The Growth of Mouse Bone Marrow Cells <i>In Vitro</i> ," <i>Aust. J. Exp. Biol. Med. Sci.</i> 44:287-300, University of Adelaide (1966)				
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TK	AA2	5,371,010	12/06/1994	Brown <i>et al.</i>			02/08/1994
	AB2	5,342,777	08/30/1994	Cole <i>et al.</i>			03/03/1992
	AC2	5,359,046	10/25/1994	Capon <i>et al.</i>			12/09/1992
	AD2	5,397,706	03/14/1995	Correa <i>et al.</i>			08/06/1993
	AE2	5,405,772	04/11/1995	Ponting			06/18/1993
	AF2	5,472,867	12/05/1995	Kanz <i>et al.</i>			09/29/1993
	AG2	5,474,931	12/12/1995	DiSorbo <i>et al.</i>			09/21/1993
	AH2	5,556,954	09/17/1995	Burn <i>et al.</i>			12/15/1992
	AI2	5,573,937	11/12/1996	Shinmoto <i>et al.</i>			01/09/1995
	AJ2	5,599,705	02/04/1997	Cameron, R.B.			11/16/1993
	AK2	5,766,951	06/16/1998	Brown <i>et al.</i>			11/12/1992

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TK	AL2	WO 97/33978	09/18/1997	WIPO			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	2	Casadevall, N., <i>et al.</i> , "Erythroid Progenitors in Polycythemia Vera: Demonstration of Their Hypersensitivity to Erythropoietin Using Serum Free Cultures," <i>Blood</i> 59:447-451, American Society for Hematology (1982)
TK	AS	2	Civin, C.I., "Human Monomyeloid Cell Membrane Antigens," <i>Exp. Hematol.</i> 18:461-467, Elsevier Science Inc. (1990)
TK	AT	2	Collins, P.C., <i>et al.</i> , "Ex vivo culture systems for hematopoietic cells," <i>Curr. Opin. Biotech.</i> 7:223-230, Current Biology (April 1996)

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TK	AA3	5,817,773	10/06/1998	Wilson <i>et al.</i>			02/23/1996
↓	AB3	5,879,940	03/09/1999	Torok-Storb <i>et al.</i>			05/23/1997
	AC3	5,945,337	08/31/1999	Brown <i>et al.</i>			10/17/1997
	AD3	6,103,529	08/15/2000	Price <i>et al.</i>			10/10/1997
	AE3	6,383,810	05/07/2002	Fike <i>et al.</i>			02/13/1998
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>3</u>	Daley, J.P., <i>et al.</i> , "Ex Vivo Expansion of Human Hematopoietic Progenitor Cells in Serum-Free StemPro™-34 Medium," <i>Focus</i> 18:62-67, Life Technologies Inc (October 1996)
TK	AS	<u>3</u>	Daniel, C.P. and Dexter, T.M., "The role of growth factors in haemopoietic development: Clinical and biological implications," <i>Cancer & Metastasis Rev.</i> 8:253-262, Kluwer Academic (1989)
TK	AT	<u>3</u>	de Wynter, E.A., <i>et al.</i> , "Comparison of Purity and Enrichment of CD34 ⁺ Cells from Bone Marrow, Umbilical Cord and Peripheral Blood (Primed for Apheresis) Using Five Separation Systems," <i>Stem Cells</i> 13:524-532, Karger (September 1995)

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	4	Dexter, T.M., <i>et al.</i> , "Conditions Controlling the Proliferation of Haemopoietic Stem Cells <i>In Vitro</i> ," <i>J. Cell. Physiol.</i> 91:335-344, Wiley-Liss (1977)
TK	AS	4	Drouet, X., <i>et al.</i> , "Human liquid bone marrow culture in serum-free medium," <i>Brit. J. Haematol.</i> 73:143-147, Blackwell Scientific Publications (1989)
TK	AT	4	Eaves, C.J., <i>et al.</i> , "Methodology of Long-Term Culture of Human Hemopoietic Cells," <i>J. Tissue Cult. Meth.</i> 13:55-62, Tissue Culture Association (1991)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>5</u>	Eliason, J.F. and Odartchenko, N., "Colony formation of primitive hemopoietic progenitor cells in serum-free medium," <i>Proc. Natl. Acad. Sci. USA</i> 82:775-779, National Academy of Sciences (1985)
TK	AS	<u>5</u>	Freshney, R.I., ed., in: <i>Culture of Animal Cells: A Manual of Basic Technique</i> , 2 nd Ed., Alan R. Liss, Inc., New York, NY, pp. 80-81 (1987)
TK	AT	<u>5</u>	GIBCO BRL, Life Technologies™, 1993-1994 <i>Catalogue and Reference Guide</i> , Life Technologies™, Inc., Gaithersburg, MD, pp. 1-2, 1-34, 1-38, 1-54, 1-70, 1-82, 1-99, 1-116, 4-43, 4-44, 4-45, 4-46, 4-59, 4-63, 5-3, and 5-4 (1993)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	6	Greenberg, H.M., <i>et al.</i> , "Human Granulocytes Generated in Continuous Bone Marrow Culture are Physiologically Normal," <i>Blood</i> 58:724-732, American Society of Hematology (1981)
TK	AS	6	Ham, R.G., "Clonal Growth of Mammalian Cells in a Chemically Defined, Synthetic Medium," <i>Proc. Natl. Acad. Sci. USA</i> 53:288-293, National Academy of Sciences (1965)
TK	AT	6	Ham, R.G., "Formulation of Basal Nutrient Media," in: <i>Methods for Preparation of Media, Supplements and Substrata for Serum-Free Animal Cell Culture</i> , Barnes, D.W., <i>et al.</i> , eds., Alan R. Liss, Inc., New York, NY, pp. 3-21 (1984)

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>1</u>	Haylock, D.N., <i>et al.</i> , "Ex Vivo Expansion and Maturation of Peripheral Blood CD34 ⁺ Cells Into the Myeloid Lineage," <i>Blood</i> 80:1405-1412, American Society for Hematology (1992)
TK	AS	<u>1</u>	Iscoe, N.N., "Culture of Lymphocytes and Hematopoietic Cells in Serum-Free Medium," in: <i>Methods for Serum-Free Culture of Neuronal and Lymphoid Cells</i> , Barnes, D.W., <i>et al.</i> , eds., Alan R. Liss, Inc., New York, NY, pp. 169-185 (1984)
TK	AT	<u>1</u>	Koller, M.R. and Palsson, B.O., "Tissue Engineering: Reconstitution of Human Hematopoiesis <i>Ex Vivo</i> ," <i>Biotechnol. & Bioeng.</i> 42:909-930, Wiley Interscience (1993)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	8	Lambert, K.J. and Birch, J.R., "Cell Growth Media," in: <i>Animal Cell Biotechnology</i> , Vol. 1, Spier, R.E. and Griffiths, J.B., eds., Academic Press, London, UK, pp. 85-123 (1985)
TK	AS	8	Lebkowski, J.S., <i>et al.</i> , "Serum-Free Culture of Hematopoietic Stem Cells: A Review," <i>Stem Cells</i> 13:607-612, AlphaMed Press (November 1995)
TK	AT	8	Maurer, H.R., "Towards Chemically-defined, Serum-free Media for Mammalian Cell Culture," in: <i>Animal cell culture: a practical approach</i> , Freshney, R.I., ed., IRL Press, Oxford, UK, pp. 13-31 (1986)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>9</u>	McAdams, T.A., et al., "Hematopoietic cell culture therapies (Part I): cell culture considerations," <i>Trends Biotech.</i> 14:341-349, Elsevier Science Publishers (September 1996)
TK	AS	<u>9</u>	Migliaccio, G., et al., "The Biology of Hematopoietic Growth Factors: Studies in vitro under Serum-deprived Conditions," <i>Exp. Hematol.</i> 18:1049-1055, Elsevier Science Inc. (1990)
TK	AT	<u>9</u>	Migliaccio, G. and Migliaccio, A.R., "Serum-Deprived Cultures of Primary Hematopoietic Cells," in: <i>Culture of Specialized Cells: Culture of Hematopoietic Cells</i> , Freshney, R.I., et al., eds., Wiley-Liss, Inc., Somerset, NJ, pp. 81-98 (1994)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>10</u>	PCT Gazette, WO 98/00521, International Bureau of the World Intellectual Property Organization Under the Patent Cooperation Treaty, p. 275 (January 1998)
TK	AS	<u>10</u>	Sandstrom, C.E., <i>et al.</i> , "Review: Serum-Free Media for Cultures of Primitive and Mature Hematopoietic Cells," <i>Biotechnol. & Bioeng.</i> 43:706-733, Wiley Interscience (1994)
TK	AT	<u>10</u>	Schain, L.R., <i>et al.</i> , "Animal Serum-Free Culture of Purified Human CD34+ Cells: Amplification of Progenitors from G-CSF and GM-CSF-Mobilized Peripheral Blood," <i>J. Hematother.</i> 6:335-349, Mary Ann Liebert, Inc. (August 1997)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>11</u>	Sigma® Chemical Co., "Tissue Culture Media and Reagents," in: <i>Sigma® Chemical Company Catalog</i> , Sigma® Chemical Co., St. Louis, MO, pp. 1142, 1470, and 1475 (1989)
TK	AS	<u>11</u>	Sigma® Chemical Co., "Tissue Culture Media and Reagents," <i>Sigma® Chemical Company Catalog</i> , Sigma® Chemical Co., St. Louis, MO, pp. 1495, 1512, 1514, and 1516 (1994)
TK	AT	<u>11</u>	Sonoda, Y., <i>et al.</i> , "Analysis in serum-free culture of the targets of recombinant human hemopoietic growth factors: Interleukin 3 and granulocyte/macrophage-colony-stimulating factor are specific for early development stages," <i>Proc. Natl. Acad. Sci. USA</i> 85:4360-4364, National Academy of Sciences (1988)

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	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>12</u>	Steen, R., <i>et al.</i> , "c-kit Ligand Combined with GM-CSF and/or IL-3 Can Expand CD34 ⁺ Hematopoietic Progenitor Subsets for Several Weeks In Vitro," <i>Stem Cells</i> 12:214-224, Karger (1994)
TK	AS	<u>12</u>	"StemPro™-34 SFM," <i>Spectrum</i> , Life Technologies, Inc., p. 12 (May 1996)
TK	AT	<u>12</u>	Traycoff, C.M., <i>et al.</i> , "Rapid exit from G ₀ /G ₁ phases of cell cycle in response to stem cell factor confers on umbilical cord blood CD34 ⁺ cells an enhanced ex vivo expansion potential," <i>Exp. Hematol.</i> 22:1264-1272, Elsevier Science Inc. (1994)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>13</u>	Zang, M., <i>et al.</i> , "Production of Recombinant Proteins in Chinese Hamster Ovary Cells Using a Protein-Free Cell Culture Medium," <i>Bio/Tech.</i> 13:389-392, Nature Publishing Company (April 1995)
TK	AS	<u>13</u>	Copy of Co-Pending United States Patent Application No. 09/028,514, Gorfien <i>et al.</i> , filed February 23, 1998
TK	AT	<u>13</u>	International Search Report for International Patent Appl. No. PCT/US97/01867, mailed June 5, 1997, European Patent Office, Netherlands

EXAMINER /Taeyoon Kim/

DATE CONSIDERED
10/30/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.3750002/RWE/FRC
FIRST NAMED INVENTOR
Daley *et al.*
FILING DATE
November 20, 2003

APPLICATION NO.
10/716,619
ART UNIT
1632

U.S. PATENT DOCUMENTS

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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>14</u>	Gruber D.F. and Jayme, D.W., "Cell and Tissue Culture Media: History and Terminology," in: <i>Cell Biology: A Laboratory Handbook</i> , Celis, J.E., ed., Academic Press, Inc., San Diego, CA, pp. 451-458 (1994)
TK	AS	<u>14</u>	Ham, R.G. and McKeehan, W.L., "Media and Growth Requirements," <i>Meth. Enzymol.</i> 58:44-93, Academic Press (1979)
TK	AT	<u>14</u>	Jayme, D.W. and Gruber, D.F., "Development of Serum-Free Media and Methods for Optimization of Nutrient Composition," in: <i>Cell Biology: A Laboratory Handbook</i> , Celis, J.E., ed., Academic Press, Inc., San Diego, CA, pp. 18-24 (1994)

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	AL						Yes No
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TK	AR	<u>15</u>	Kohn, D.B., <i>et al.</i> , "Engraftment of gene-modified umbilical cord blood cells in neonates with adenosine deaminase deficiency," <i>Nat. Med.</i> 1:1017-1023, Nature Publishing Company (October 1995)
	AS		
	AT		

EXAMINER

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10/30/2006

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FORM PTO-1449

ATTY. DOCKET NO.
0942.3750002/RWE/FRCAPPLICATION NO.
10/716,619FIRST SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENTFIRST NAMED INVENTOR
Daley *et al.*FILING DATE
November 20, 2003ART UNIT
1632

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
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TK	AM2	WO 95/06112	03/02/1995	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

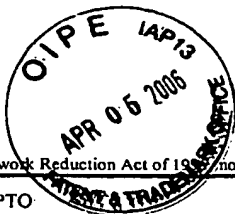
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER /Taeyoon Kim/

DATE CONSIDERED
10/27/2006

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PTO/SB/08B (07-05)

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Substitute for form 1449/PTO				Complete if Known	
				Application Number	10/716,619
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	November 20, 2003
				First Named Inventor	John P. Daley
				Art Unit	1632
				Examiner Name	Falk, A.M.
				Attorney Docket Number	0942.3750002/SRL/FRC
Sheet	1	of	1		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
TK	AS15	Iscoe, N.N. and Melchers, F., "Complete Replacement of Serum by Albumin, Transferrin, and Soybean Lipid in Cultures of Lipopolysaccharide-Reactive B Lymphocytes," <i>J. Exp. Med.</i> 147:923-933, The Rockefeller University Press (1978)	
TK	AT15	Iscoe, N.N., <i>et al.</i> , "Complete Replacement of Serum in Primary Cultures of Erythropoietin-Dependent Red Cell Precursors (CFU-E) by Albumin, Transferrin, Iron, Unsaturated Fatty Acid, Lecithin and Cholesterol," <i>Exp. Cell Res.</i> 126:121-126, Academic Press, Inc. (1980)	
TK	AR16	Lansdorp, P.M., <i>et al.</i> , "Ontogeny-related Changes in Proliferative Potential of Human Hematopoietic Cells," <i>J. Exp. Med.</i> 178:787-791, The Rockefeller University Press (1993)	
TK	AS16	Lansdorp, P.M. and Dragowska, W., "Long-Term Erythropoiesis from Constant Numbers of CD34 ⁺ Cells in Serum-free Cultures Initiated with Highly Purified Progenitor Cells from Human Bone Marrow," <i>J. Exp. Med.</i> 175:1501-1509, The Rockefeller University Press (1992)	
TK	AT16	Mayani, H., <i>et al.</i> , "Cytokine-Induced Selective Expansion and Maturation of Erythroid Versus Myeloid Progenitors from Purified Cord Blood Precursor Cells," <i>Blood</i> 81:3252-3258, American Society of Hematology (1993)	

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Examiner Signature	/Taeyoon Kim/	Date Considered	10/27/2006
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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